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APPLICATION NO.	FILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO.
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EXAMINER

HENNING, MATTHEW T

ART UNIT	PAPER NUMBER
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2131

DATE MAILED: 09/07/2004

4

Please find below and/or attached an Office communication concerning this application or proceeding.

Office Action Summary

Application No.

09/889,126

Applicant(s)

WETTERGREN, CHRISTIAN

Examiner

Matthew T Henning

Art Unit

2131

-- The MAILING DATE of this communication appears on the cover sheet with the correspondence address --

Period for Reply

A SHORTENED STATUTORY PERIOD FOR REPLY IS SET TO EXPIRE 3 MONTH(S) FROM THE MAILING DATE OF THIS COMMUNICATION.

- Extensions of time may be available under the provisions of 37 CFR 1.136(a). In no event, however, may a reply be timely filed after SIX (6) MONTHS from the mailing date of this communication.
- If the period for reply specified above is less than thirty (30) days, a reply within the statutory minimum of thirty (30) days will be considered timely.
- If NO period for reply is specified above, the maximum statutory period will apply and will expire SIX (6) MONTHS from the mailing date of this communication.
- Failure to reply within the set or extended period for reply will, by statute, cause the application to become ABANDONED (35 U.S.C. § 133). Any reply received by the Office later than three months after the mailing date of this communication, even if timely filed, may reduce any earned patent term adjustment. See 37 CFR 1.704(b).

Status

- 1) ☒ Responsive to communication(s) filed on 7/11/2001.
- 2a) ☐ This action is **FINAL**. 2b) ☒ This action is non-final.
- 3) ☐ Since this application is in condition for allowance except for formal matters, prosecution as to the merits is closed in accordance with the practice under *Ex parte Quayle*, 1935 C.D. 11, 453 O.G. 213.

Disposition of Claims

- 4) ☒ Claim(s) 1-8 is/are pending in the application.
- 4a) Of the above claim(s) _____ is/are withdrawn from consideration.
- 5) ☐ Claim(s) _____ is/are allowed.
- 6) ☒ Claim(s) 1-8 is/are rejected.
- 7) ☐ Claim(s) _____ is/are objected to.
- 8) ☐ Claim(s) _____ are subject to restriction and/or election requirement.

Application Papers

- 9) ☐ The specification is objected to by the Examiner.
- 10) ☒ The drawing(s) filed on 11 July 2001 is/are: a) ☒ accepted or b) ☐ objected to by the Examiner.
Applicant may not request that any objection to the drawing(s) be held in abeyance. See 37 CFR 1.85(a).
Replacement drawing sheet(s) including the correction is required if the drawing(s) is objected to. See 37 CFR 1.121(d).
- 11) ☒ The oath or declaration is objected to by the Examiner. Note the attached Office Action or form PTO-152.

Priority under 35 U.S.C. § 119

- 12) ☒ Acknowledgment is made of a claim for foreign priority under 35 U.S.C. § 119(a)-(d) or (f).
- a) ☒ All b) ☐ Some * c) ☐ None of:
1. ☒ Certified copies of the priority documents have been received.
2. ☐ Certified copies of the priority documents have been received in Application No. _____.
3. ☒ Copies of the certified copies of the priority documents have been received in this National Stage application from the International Bureau (PCT Rule 17.2(a)).

* See the attached detailed Office action for a list of the certified copies not received.

Attachment(s)

- 1) ☒ Notice of References Cited (PTO-892)
- 2) ☐ Notice of Draftsperson's Patent Drawing Review (PTO-948)
- 3) ☒ Information Disclosure Statement(s) (PTO-1449 or PTO/SB/08)
Paper No(s)/Mail Date 7/11/01.
- 4) ☐ Interview Summary (PTO-413)
Paper No(s)/Mail Date. _____.
- 5) ☐ Notice of Informal Patent Application (PTO-152)
- 6) ☐ Other: _____.

This action is in response to the communication filed on 07/11/2001.

DETAILED ACTION

1. Claims 1-8 have been examined.

Title

2. The title of the invention is acceptable.

Priority

3. The application is a 371 of PCT/SE00/00027 filed 01/10/2000, which claims benefit to US provisional application 60/115,488 filed 01/11/1999.
4. The effective filing date for the subject matter defined in the pending claims in this application is 01/11/1999.

Information Disclosure Statement

5. The information disclosure statement (IDS) submitted on 07/11/2001 is in compliance with the provisions of 37 CFR 1.97. Accordingly, the examiner is considering the information disclosure statement.

Oath/Declaration

6. The oath or declaration, submitted 07/11/2001 is defective for failing to comply with 37 C.F.R. 1.497. The oath was not signed by the inventor, and instead was signed by another. 37 C.F.R. 1.497 states the following regarding oaths or declarations made by someone other than the inventor:

(1) The oath or declaration must be made by all of the actual inventors except as provided for in § § 1.42, 1.43 or 1.47.

(2) If the person making the oath or declaration or any supplemental oath or declaration is not the inventor (§ § 1.42, 1.43, or 1.47), the oath or declaration shall state the relationship of the person to the inventor, and, upon information and belief, the facts which the inventor would have been required to state. If the person signing the oath or declaration is the legal representative of a deceased inventor, the oath or declaration shall also state that the person is a legal representative and the citizenship, residence and mailing address of the legal representative

Such information was not provided. A corrected oath or declaration that complies with 37 C.F.R. 1.497 is required. See MPEP § 1893.01(e).

Drawings

7. The drawings filed on 07/11/2001 are acceptable for examination proceedings.

Claim Objections

8. Claims 2-8 are objected to because of the following informalities:

Claims 2-8 recite "characterised" in line 1, which is not spelled correctly.

Claim 2 begins with "system" which should be capitalized.

Claim 6 recites "to control certain areas of the memory means are allocated" which is grammatically incorrect.

Appropriate correction is required.

Claim Rejections - 35 USC § 112

9. The following is a quotation of the second paragraph of 35 U.S.C. 112:

The specification shall conclude with one or more claims particularly pointing out and distinctly claiming the subject matter which the applicant regards as his invention.

10. Claim 1 is rejected under 35 U.S.C. 112, second paragraph, as being indefinite for failing to particularly point out and distinctly claim the subject matter which applicant regards as the invention. Claim 1 recites the limitation "the pre-selected resources" in line 8. There is insufficient antecedent basis for this limitation in the claim.

Claim Rejections - 35 USC § 102

11. The following is a quotation of the appropriate paragraphs of 35 U.S.C. 102 that form the basis for the rejections under this section made in this Office action:

A person shall be entitled to a patent unless –

(b) the invention was patented or described in a printed publication in this or a foreign country or in public use or on sale in this country, more than one year prior to the date of application for patent in the United States.

12. Claims 1-8 are rejected under 35 U.S.C. 102(b) as being anticipated by Francisco et al. (US Patent Number 5,263,147) hereinafter referred to as Francisco.

13. Claim 1 recites a system for data processing a security critical activity in a secure management mode in a computer (See Francisco Abstract Lines 6-10), which computer comprises a processor (See Francisco Fig. 1 Element 1), handling devices (See Francisco Fig. 1 Element 25), memory storage means (See Francisco Fig. 1 Element 30), hereafter named resources; that the system comprises a security device (See Francisco Fig. 1 Elements 31 and 100) comprising a processor (See Francisco Fig. 1 Element 7) and signal generators (See Francisco Fig. 3 Element 321), a number of control means, hereafter named switches (See Francisco Fig. 3 Element 325), with signal receivers (See Francisco Col. 5 Paragraph 6 wherein it was inherent that the AMU control had signal generators and the AMU had signal receivers in order for the Control to have configured the AMU) arranged respectively between the security device and the pre-selected resources (See Francisco Fig. 1 Elements 31, 100, and 30), that the switches contain information regarding accessibility to and from the resources, or parts of the resources, hereafter named resource ranges (See Francisco Fig. 1 Element 102 and Claims 1-2), wherein the switch controls requests from the computer processor to the resources or resource ranges depending on the information contained in the switch (See Francisco Fig. 1 Element 102, Col. 2 Paragraphs 2-3, and Claims 1-2), and wherein, in response to a call from the computer processor or the handling devices, the

switches are activated by receiving a signal from the security device, enabling the security device access to and from the resources or resource ranges selected by the security device, and denying the computer processor access to and from the resources or resource ranges selected by the security device (See Francisco Col. 4 Paragraph 3 and Claim 1 wherein the AMU has access to the requested memory, and the subject is denied access when they are requesting an access outside the subjects access rights).

14. Claim 2 recites that only the security device can generate the signal (See Francisco Col. 5 Paragraph 6 Lines 1-4).

15. Claim 3 recites that the information contained in the switches controls access to resources for requests from other possible processors contained in or connected to the computer (See Francisco Col. 6 line 68 – Col. 7 Line 4).

16. Claim 4 recites that the security device comprises a signal generator, wherein, when a switch receives a signal, together with new information (addresses, operation, data), the security device is able of altering the content of the information of that switch (See Francisco Col. 5 Lines 39-50).

17. Claim 5 recites that the switches comprise a signal receiver by which it can detect which source is handling the computer, and that the switch compares this with the resource which requests access to a resource or resource range controlled by the switch, and depending on the information in the switch, enables or denies access to that resource (See Francisco Fig. 2b).

18. Claim 6 recites that the information in the switch enables the switch to control certain areas of the memory means are allocated to be accessed by the processor of the security device only (See Francisco Col. 4 Paragraph 3).

19. Claim 7 recites that the information in the switch enables the switch to control that certain resources are accessible by the computer processor when not in secure management mode, and only accessible by the security device when in secure management mode (See Francisco Col. 2 paragraph 3 wherein the large address space mode constituted the non-secure mode and the segmented address space constituted the secure mode).

20. Claim 8 recites that the switches are hardware switches (See Francisco Fig. 4 Element 325).

Conclusion

21. Claims 1-8 have been rejected.

22. The prior art made of record and not relied upon is considered pertinent to applicant's disclosure.

a. Chang et al. (US Patent Number 4,937,736) disclosed a memory security controller for controlling access to portions of memory by multiple processors.

b. Reardon (US Patent Number 5,434,562) disclosed a method for limiting access to peripherals in a computing environment.

c. Wang et al. (US Patent Number 5,765,027) disclosed a network controller that selectively provides a local processor with more memory privileges than a host computer.

d. Vicard (US Patent Number 5,764,761) disclosed a method for selectively controlling access to specific functional devices by identifying a requester using a key.

23. Please direct all inquiries concerning this communication to Matthew Henning whose telephone number is (703) 305-0713 until October 21st and (571)272-3790 thereafter. The examiner can normally be reached Monday-Friday from 9am to 4pm, EST.

If attempts to reach examiner by telephone are unsuccessful, the examiner's acting supervisor, Ayaz Sheikh, can be reached at (703) 305-9648 until October 21st and (571)272-3795 thereafter. The fax phone number for this group is (703) 305-3718.

Any inquiry of general nature or relating to the status of this application or proceeding should be directed to the Group receptionist whose telephone number is (703) 305-3900.



Matthew Henning
Assistant Examiner
Art Unit 2131



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